

Title (en)
Apparatus for the infusion of liquids.

Title (de)
Vorrichtung zum Infundieren von Flüssigkeiten.

Title (fr)
Dispositif pour l'infusion de liquides.

Publication
EP 0028364 A2 19810513 (DE)

Application
EP 80106462 A 19801023

Priority
DE 2944186 A 19791102

Abstract (en)
1. An apparatus for infusing and injecting liquids, comprising a pump (42) in a hose system between a supply of infusion solution and an infusion cannula or the like, a speed controllable driving motor (43) for the pump (42), a control means for the motor comprising an electronic computer structural member (46), said control means comprising a selector means (47) for the preset value of the amount of liquid to be discharged by the pump, with a sensing means measuring the discharge output of the pump and providing an actual value signal to the electronic computer structural member via a control input, said computer structural member forming the control signal for the motor (43) in dependence upon a preset value/actual value comparison, as well as with an alarm means (51) connected to the computer structural member for a predetermined limit value of the preset value/actual value comparison, characterized in that for the generation of two actual values independent of each other a first sensor means consists of an element (48) driven by the pump (42) and a scanning means (49) connected to a first control input of the computer structural member (46) and scanning the element (48), and a second sensor means is formed by a drop sensor (50) inserted into the hose system (40) and connected to a second control input of the computer structural member (46) separated from the first control input, and in that the alarm means (51) becomes responsive when the deviation of at least one of the actual values from the preset value reaches a predetermined value.

Abstract (de)
Die Erfindung bezieht sich auf eine Vorrichtung zum Infundieren von Flüssigkeiten, mit einer Pumpe in einem Schlauchsystem zwischen einem Vorrat an Infusionslösung und einer Infusionskanüle oder dergleichen, einem in seiner Drehzahl steuerbaren Antriebsmotor für die Pumpe, einer eine Wähleinrichtung für die Fördermenge enthaltenden Steuereinrichtung mit einem elektronischen Rechnerbauteil für den Motor und einer Alarmeinrichtung.

IPC 1-7
A61M 5/14; G05D 7/06

IPC 8 full level
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Cited by
CN105816940A; CN100435868C; EP0266716A3; EP0215249A1; JPS62236558A; EP0118008A3; JPH0659315B2; US7597679B2; WO03080159A1

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